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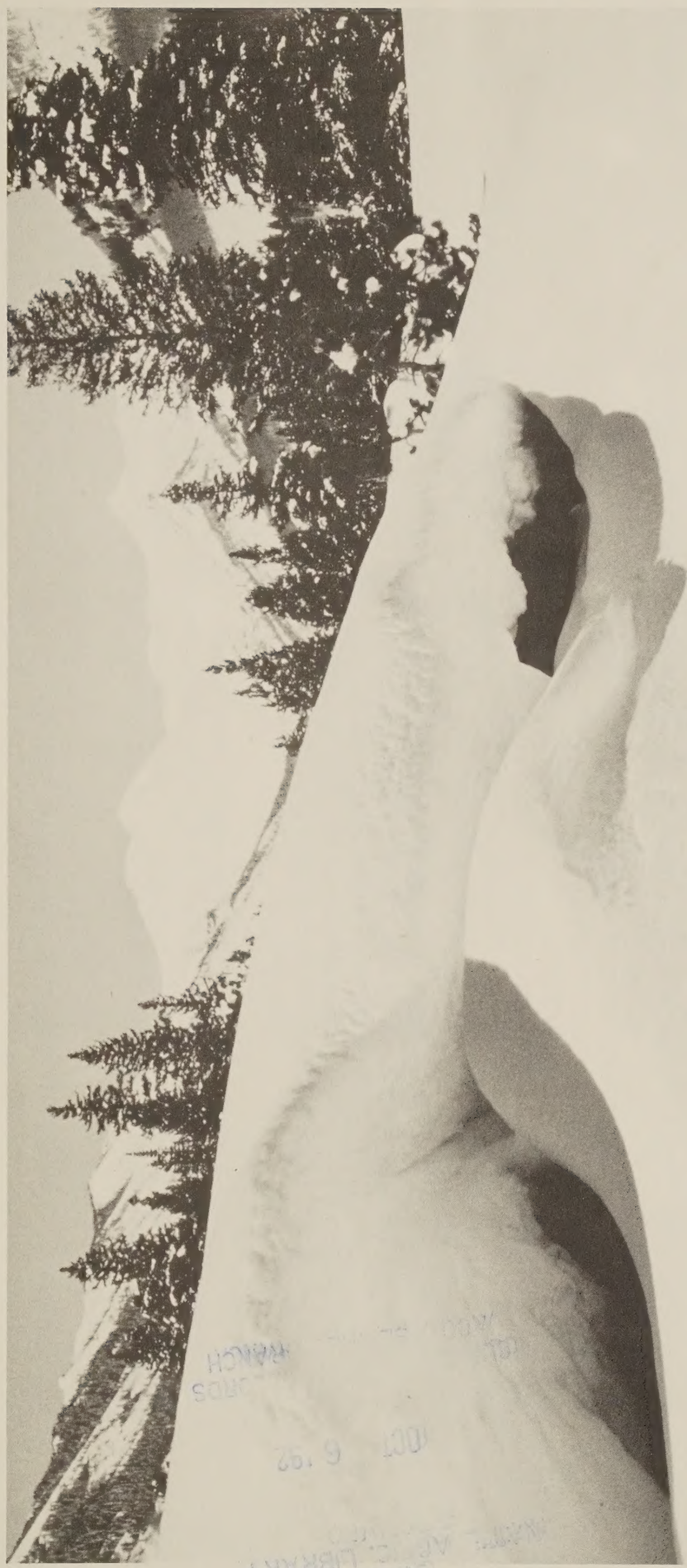


United States
Department of
Agriculture

Soil
Conservation
Service



Washington Annual Data Summary Water Year 1991



Foreword

An Annual Summary

This report summarizes the snow water equivalent and precipitation data collected during this water year. This information was utilized in preparing the Soil Conservation Service Water Supply Outlook Reports, January 1st through June 1st.

These data were obtained using a combination of manual and automated measurement methods and are presented as a historical summary.

For More Information

Copies of this Annual Data Summary and Monthly Water Supply Outlook Reports may be obtained from the states listed below. Historical snow survey data may be obtained at those same offices. Computer access to water supply information may be gained through the Centralized Forecast System (CFS) at Portland, Oregon. For more information contact the state offices listed below.

STATE	ADDRESS
Alaska	949 E. 36th Avenue, Suite 400, Anchorage, AK 99508-4302
Arizona	201 E. Indianola, Suite 200, Phoenix, AZ 85012
California	2121-C 2nd Street, Suite 102, Davis, CA 95616-5475
Colorado	655 Parfet Street, Room E200C, Lakewood, CO 80215-5517
Idaho	3244 Elder Street, Room 124, Boise, ID 83705-4711
Montana	Federal Building, Room 443, 10 E. Babcock, Bozeman, MT 59715
Nevada	5301 Longley Lane, Building F, Suite 201, Reno, NV 89511
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102-3157
Oregon	Green-Wyatt Federal Bldg., 1220 SW Third Ave., Room 1640, Portland, OR 97204
Utah	Federal Building, Room 4402, 125 South State Street, Salt Lake City, UT 84138
Washington	Rock Pointe Tower II, Suite 450, W. 316 Boone Ave., Spokane, WA 99201-2349
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82601

Other Sources

Annual and historical information is prepared by other agencies including: NOAA - State Climatological Annual Summaries, N.C.D.C., Asheville, NC 28801; California - Snow Survey Branch, California Department of Water Resources, P.O. Box 942836, Sacramento, CA 94236-0001; British Columbia - The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory - Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta Environment Technical Services Division, 9820 106th St., Edmonton, Alberta, T5K 2J6.

Washington Cooperative Snow Survey Data of

Federal - State - Private Cooperative Snow Surveys

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1. The first part of the report is a summary of the work done during the year.

2. The second part is a detailed account of the work done during the year.

3. The third part is a summary of the work done during the year.

4. The fourth part is a summary of the work done during the year.

5. The fifth part is a summary of the work done during the year.

6. The sixth part is a summary of the work done during the year.

7. The seventh part is a summary of the work done during the year.

8. The eighth part is a summary of the work done during the year.

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12. The twelfth part is a summary of the work done during the year.

13. The thirteenth part is a summary of the work done during the year.

14. The fourteenth part is a summary of the work done during the year.

15. The fifteenth part is a summary of the work done during the year.

16. The sixteenth part is a summary of the work done during the year.

17. The seventeenth part is a summary of the work done during the year.

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19. The nineteenth part is a summary of the work done during the year.

20. The twentieth part is a summary of the work done during the year.

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SNOW COURSE DATA - WY 1991 (DEPTH & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
AHTANUM R.S.	3100	1/3	7	1.2	1/31	6	2.2	2/27	0	.0	3/27	6	1.9						
ALPINE MEADOWS	3500							2/25	64	31.5	3/27	96	40.9						
BAIRD #2	3220				1/31	24	4.8	3/4	25	6.7	3/28	25	8.1						
BEAVER CREEK TRAIL	2200				1/31	32	10.0	3/2	42	9.9	3/30	28	9.4	5/1	0	.0	6/4	0	.0
BEAVER PASS	3680				1/31	52	19.0	3/4	78	22.7	3/29	68	25.3	5/1	69	28.3	6/4	32	15.9
BERNE-MILL CREEK	3170				1/30	55	18.3	2/27	52	19.8	3/27	66	23.8						
BIG BOULDER CREEK	3200	12/28	40	8.0	1/29	35	12.4	2/28	24	9.9	3/28 4/12	33 34	12.3 11.7	5/1	0	.0			
BLEWETT PASS #2	4270				1/28	26	9.7	Est	-	4.6	4/1	19	7.7						
BOYER MOUNTAIN	5250							3/5	49	14.2	3/26	57	19.4	4/29	38	16.1			
BRIEF	1600				1/29	15	3.9	2/28	0	.0	3/26	0	.0						
BROWN TOP AM	6000				1/31	167	65.0	2/28	179	74.2	3/29	203	84.3	5/1	197	91.5	6/4	162	71.8
BUMPING LAKE	3450	12/28	12	3.0	1/30	15	6.1	2/27 3/14	10 32	4.6 11.9	3/28 4/11	20 17	8.6 7.4	4/30	2	1.0			
BUMPING LAKE (NEW)	3400	12/28	15	3.6	1/30	18	7.8	2/27 3/14	14 24	7.0 7.6	3/28 4/11	27 24	11.4 10.0	4/30	4	1.8			
BUNCHGRASS MEADOWS	5000	Est	-	14.5	Est	-	22.8	Est	-	25.9	3/25	85	34.0	4/30	59	26.2	Est	-	5.6
BUTTE CREEK	4070				Est	-	5.0				3/28	28	8.5						
CARROL PASS	3650	1/1	36	9.6				3/3	20	7.2	3/30	31	10.3	5/1	21	8.3			
CAYUSE PASS	5300				Est	-	40.6	2/25	112	45.3	Est	-	79.4						
CHEWALAH #2	4930							3/6	41	10.0	3/27	46	15.3						
CHIWAUKUM G.S.	2500	12/28	22	2.8	1/30	20	5.4	2/27	17	6.4	3/27	20	7.1						
CITY CABIN	2390							2/25	0	.0	3/27	10	4.1						

SNOW COURSE DATA - WY 1991 (DEPTH & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
CLOUDY PASS AM	6500				1/28	112	44.8	2/25	124	50.8	4/8	161	66.0						
COLOCKUM PASS	5370				1/28	26	6.9				3/29	34	10.4						
CORRAL PASS	6000	1/2	58	18.7	2/4	25	13.5	Est	-	28.6	Est	-	37.8						
COX VALLEY	4500				1/29	54	20.5	2/24	51	21.2	3/30	75	29.8	4/27	78	34.0			
DEER PARK	5200				1/28	30	10.6	2/25	20	8.9	3/31	39	14.0	4/26	38	14.8			
DEVILS PARK	5900				1/31	135	49.9	2/28	149	59.5	3/29	161	65.9	5/1	158	68.6	6/4	121	61.2
DOCK BUTTE AM	3800	1/2	100	35.0	2/8	86	53.0	2/27	86	46.0	3/27	120	54.0	4/30	120	65.0			
EASY PASS AM	5200	1/2	146	49.0	2/8	163	102.0	2/27	168	89.0	3/27	208	96.0	4/30	204	99.0			
FISH LAKE	3370	12/28	54	12.1	1/29	58	20.5	2/28	53	21.6	3/28	64	26.8	5/1	32	14.9			
											4/12	66	27.2						
FREEZEOUT CK. TRAIL	3500				1/31	35	12.0	3/5	51	14.1	3/29	46	15.5	5/1	31	12.0	6/4	0	.0
GOAT CREEK	3600				1/31	19	4.3	3/6	16	3.3	3/28	10	2.9						
GRANITE CREEK	3500				1/31	50	16.0	3/4	74	20.0	3/28	61	20.6	5/3	38	14.6	6/4	0	.0
GRASS MOUNTAIN #2	2900	1/2	12	4.0	2/5	0	.0	2/26	0	.0	4/11	7	2.0	4/29	0	.0	6/2	0	.0
GREEN LAKE	6000				1/31	42	19.2	2/27	46	19.0	3/27	75	24.3						
GROUSE CAMP	5380				1/25	28	7.8	Est	-	6.1	3/29	34	12.0						
HARTS PASS	6500				1/31	111	41.0	2/28	128	44.8	3/29	137	54.4	4/30	133	59.9	6/4	97	50.5
HURRICANE	4500				1/30	28	8.8	2/26	18	6.8	3/29	38	11.6	4/27	32	12.2			
JASPER PASS AM	5400	1/2	168	56.0	2/8	188	106.0	2/27	192	101.0	3/27	214	94.0	4/30	216	109.0			
KELLER RIDGE	3700				1/23	13	2.8	3/5	7	1.5	3/29	8	2.1						
KROMONA MINE	2400				1/30	48	21.1	2/27	31	15.2	3/27	51	22.1	5/1	29	14.8	6/29	0	.0
LAKE CLE ELUM	2200	12/27	12	3.1	1/28	11	3.2	2/28	0	.0	3/28	0	.0						

SNOW COURSE DATA - WY 1991 (DEPTH & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
LESTER CREEK	3100	1/2	30	7.8	2/5	33	11.2	2/26	28	10.8	4/11	48	18.6	4/29	40	15.2	6/2	0	.0
LITTLE MDWS AM	5280				1/28	100	40.0	2/25	118	48.4	4/8	145	59.5						
LYMAN LAKE	5900				1/28	144	57.5	2/25	167	67.8	4/8	87	75.7						
LYNN LAKE	4000	1/2	42	10.8	2/5	35	12.7	2/26	34	13.5	4/11	70	26.5	4/29	57	25.7	6/2	4	1.8
MARTEN LAKE AM	3600	1/2	162	52.0	2/8	124	74.0	2/27	135	71.0	3/27	174	76.0	4/30	168	91.0			
MEADOWS CABIN	1900				1/31	19	7.0	2/28	11	4.2	3/28	12	4.3	5/1	0	.0	6/4	0	.0
MERRITT	2140	12/28	25	4.8	1/30	32	10.2	2/27	24	9.5	3/27	26	9.6						
MIDDLE SULTAN	3010				1/30	34	14.2	2/27	5	2.1	3/27	21	7.4	5/1	0	.0	5/29	0	.0
MISSION (OMAK)	1150										3/29	0	.0						
MISSION RIDGE	5000				1/29	26	7.5	2/28	20	7.3	3/26	47	12.1						
MOUNT TOLMAN	2000				1/25	8	1.8	3/5	3	.5	3/29	0	.0						
MOSES MEADOWS (3)	3800				1/24	10	1.8	3/8	5	.8	3/29	3	.7						
MOSES MOUNTAIN (1)	4800				1/31	31	8.7	3/6	47	13.8	3/27	53	15.6	5/8	48	17.1			
MOSES PEAK (2)	6650				1/24	18	4.2	3/7	23	5.9	3/27	25	7.7						
MT. BLUM AM	5800	1/2	128	43.0	2/8	144	83.0	2/27	156	82.0	3/27	180	84.0	Est	-	86.0			
MT. GARDNER	3300							Est	-	2.0	Est	-	6.7						
MUTTON CREEK #1	5700				1/30	24	6.2	2/26	24	7.2	3/28	34	9.3						
NEW HOZOMEEN LAKE	2800				1/31	32	10.0	3/5	40	11.8	3/29	40	12.3	5/1	0	.0	6/4	0	.0
OLALLIE MEADOWS	3630				2/1	51	22.4	2/28	35	18.1	4/1	55	23.6						
OLNEY PASS	3250				1/30	37	16.6	2/27	10	4.7	3/27	37	15.0	5/1	12	5.1	5/29	0	.0
PARADISE PARK R S	5500							3/11	136	47.3	4/1	128	57.8						
PARK CREEK RIDGE	4600							Est	-	55.1	4/8	31	54.3						

SNOW COURSE DATA - WY 1991 (DEPTH & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
POPE RIDGE	3540							Est	-	12.7									
RAGGED RIDGE	3330	1/4	13	2.4	1/27	15	2.6	2/28	0	.0	3/30	0	.0						
RAINY PASS	4780				1/31	104	35.0	3/4	146	49.9	3/28	124	47.2	5/3	122	53.0	6/4	54	26.4
ROCKY CREEK AM	2100	1/2	78	23.0	2/8	61	34.0	2/27	52	29.0	3/27	63	27.0	4/30	42	21.0			
RUSTY CREEK	4000				1/30	11	2.1	2/26	4	1.6	3/28	7	2.4						
SF THUNDER CK AM	2200	1/2	30	10.0	2/8	8	4.0	Est	-	10.3				Est	-	1.3			
SALMON MEADOWS	4500							Est	-	3.6	3/28	20	5.6						
SATUS PASS	4030				1/30	8	3.4	3/4	11	2.0	4/2	6	2.4						
SAWMILL RIDGE	4700	1/2	43	13.0	2/5	49	18.7	2/26	47	19.7	Est	77	29.2	4/29	60	25.7	6/2	13	6.3
SCHREIBERS MDW AM	3400	1/2	87	28.0	2/8	72	4.4	2/27	78	41.0	3/27	108	49.0	4/30	108	60.0			
STEMILT SLIDE	5000				1/29	26	7.7	2/28	13	5.5	3/27	34	9.8						
STEVENS PASS SAND SD	3700	12/28	56	12.6	1/30	62	22.3	2/27	59	24.1	3/27	77	28.4						
STICKNEY RIDGE	3640				1/30	82	38.9				3/27	107	46.4	5/1	99	51.4			
STRANGER MOUNTAIN	4230										3/27	30	8.9						
SUMMIT G.S.	4600				Est	-	4.0	3/6	27	6.2	3/28	28	8.5						
SUMMIT G.S. #2	4600				1/31	24	5.1	3/6	31	5.3	3/28	33	9.0						
SUMMIT TRAIL	3840				1/23	14	4.0	3/5	9	1.7	3/29	3	1.1						
THUNDER BASIN	4200				1/31	47	16.0	2/28	46	16.6	3/28	65	21.2	5/1	62	23.4	6/4	31	14.0
TOGO	3370				1/30	14	3.0	2/28	10	3.5	3/29	22	6.6						
TROUGH #2	5310							3/1	-	.2									
TUNNEL AVENUE	2450	12/27	25	6.3	1/29	35	11.2	2/27 3/15	24 36	10.4 12.7	3/27 4/11	33 32	12.5 12.4	4/30	11	4.8			

SNOW COURSE DATA - WY 1991 (DEPTH & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
TWIN CAMP	4100	1/2	36	9.8	2/5	38	15.0	2/26	40	14.8	4/11	61	23.3	4/29	48	20.2	6/2	0	.0
TWIN LAKES	2700				1/23	15	3.2	3/5	11	3.6	3/29	5	2.0						
UPPER WHEELER	4400				Est	-	5.0	2/28	2	.6	3/27	19	4.6						
WATSON LAKES AM	4500	1/2	102	33.0	2/8	90	53.0	2/27	96	50.0	3/27	144	61.0	4/30	142	72.0			
WHITE PASS E.S.	4500							Est	-	12.6	Est	-	17.3						
AIRSTRIIP (DISC)	1800										Est	-	.0						

SNOTEL SWE's - WY 1991 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK				
															START DATE	MAX SWE	MAX DATE	MELTOUT DATE	
BLEWETT PASS	4270	1st 15th	.0 .5	.0 .0	1.8 3.2	6.0 8.2	7.8 7.1	7.3 10.1	12.2 10.5	2.1 .0	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/16	12.4	3/27	5/4
BUMPING RIDGE	4600	1st 15th	.0 .0	.0 .1	3.4 7.4	8.6 12.9	13.4 13.6	13.4 18.3	19.5 22.8	21.8 17.1	7.2 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/14	23.1	4/17	6/11
BUNCHGRASS MDW	5000	1st 15th	.0 1.0	4.1 4.2	7.4 12.1	14.7 20.6	21.8 24.3	25.4 28.8	30.3 33.7	29.4 22.8	11.8 .0	.0 .0	.0 .0	.0 .0	.0 .0	10/11	34.1	4/12	6/12
CORRAL PASS	6000	1st 15th	.0 1.0	1.7 2.1	7.5 11.8	16.2 21.2	21.8 24.2	26.9 31.8	33.6 38.7	40.1 39.5	33.1 22.5	12.6 .0	.0 .0	.0 .0	.0 .0	10/12	40.1	5/3	7/11
COUGAR MOUNTAIN	3200	1st 15th	.0 .0	1.0 1.3	3.4 6.1	10.4 13.0	13.5 9.7	9.1 15.9	16.1 17.6	14.1 5.4	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/13	18.4	4/11	5/21
FISH LAKE	3371	1st 15th	.0 1.8	.6 .4	3.7 8.4	13.2 20.1	19.4 20.7	22.2 26.7	28.3 29.9	22.8 14.3	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/14	30.6	4/13	5/29
GREEN LAKE	6000	1st 15th	.0 .6	.8 .5	3.4 5.6	7.9 10.3	11.0 12.5	12.6 15.7	18.1 19.5	18.1 13.6	1.5 .0	.0 .0	.0 .0	.0 .0	.0 .0	10/30	19.6	4/16	6/6
GROUSE CAMP	5380	1st 15th	.0 .6	.3 .6	1.7 3.0	5.0 7.1	6.8 7.3	6.4 12.1	12.6 13.3	6.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/14	13.7	3/26	5/8
HARTS PASS	6500	1st 15th	.0 1.3	4.4 12.7	26.9 32.8	41.6 48.3	49.8 57.8	61.6 67.8	68.6 80.0	82.8 80.3	63.7 47.5	17.5 .0	.0 .0	.0 .0	.0 .0	10/9	85.0	5/12	7/7
JUNE LAKE	3340	1st 15th	.0 .0	.0 1.3	4.5 12.1	19.4 19.2	19.8 15.6	8.6 17.1	17.1 16.4	12.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/28	24.6	1/11	5/12
LONE PINE	3800	1st 15th	.0 .0	.0 .5	3.4 7.4	10.9 13.8	15.5 12.2	11.6 18.4	19.6 23.0	21.2 16.9	9.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/14	23.0	4/15	6/12
LOST HORSE	5000	1st 15th	.0 .0	.0 .0	1.1 3.3	6.4 9.2	8.8 9.4	8.1 11.7	14.0 13.2	4.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/20	15.1	3/26	5/5
LYMAN LAKE	5900	1st 15th	.0 3.3	8.0 15.4	32.7 41.6	52.1 62.1	64.9 72.8	72.2 81.5	84.5 93.4	95.6 97.7	84.4 70.3	45.6 10.6	.0 .0	.0 .0	.0 .0	10/10	98.1	5/13	7/21
MINERS RIDGE	6200	1st 15th	.0 4.1	7.7 12.3	27.1 35.0	43.0 51.5	53.6 57.9	63.5 70.7	71.9 78.4	77.1 75.4	67.6 61.5	50.6 26.9	.0 .0	.0 .0	.0 .0	10/5	78.4	4/16	7/31

* - Permanent snowpack commenced in prior Water Year.

SNOTEL SWE's - WY 1991 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK			
															START DATE	MAX SWE	MAX DATE	MELTOUT DATE
MORSE LAKE	5400	1st 15th	.0 .8	1.9 2.0	6.8 13.1	17.3 22.4	27.2 33.2	40.0 51.3	53.3 63.1	63.5 59.3	39.6 23.6	11.0 .0	.0 .0	.0 .0	10/13	65.3	4/22	7/7
MOUNT CRAG	4050	1st 15th	.0 .0	.0 .0	2.7 5.0	6.2 7.6	7.4 6.1	5.0 12.1	13.1 16.7	14.2 8.3	.0 .0	.0 .0	.0 .0	.0 .0	11/25	17.0	4/12	6/1
OLALLIE MEADOWS	3700	1st 15th	.0 1.2	1.1 1.3	5.1 10.8	19.8 29.3	32.9 35.4	34.9 44.0	46.2 53.1	50.9 46.7	35.8 20.7	1.1 .0	.0 .0	.0 .0	11/13	53.3	4/14	7/3
PARADISE	5120	1st 15th	.0 2.3	2.1 3.8	15.1 23.6	32.7 47.1	49.3 53.6	55.6 64.5	68.4 79.6	81.8 83.0	78.2 68.8	58.6 29.7	.0 .0	.0 .0	10/11	87.8	5/8	8/1
PARK CREEK RIDGE	4600	1st 15th	.0 2.1	4.2 5.6	11.8 20.5	28.4 40.2	42.6 49.9	51.7 59.3	60.8 68.1	61.1 49.9	25.7 2.5	.0 .0	.0 .0	.0 .0	10/7	68.2	4/14	6/18
PIGTAIL PEAK	5900	1st 15th	.0 .7	.8 .0	8.3 18.0	28.6 39.4	41.2 46.6	49.5 56.5	58.9 66.7	66.3 63.8	56.0 41.2	26.8 .0	.0 .0	.0 .0	11/20	67.3	4/18	7/12
POPE RIDGE	3540	1st 15th	.0 .0	.2 .0	1.4 5.5	7.5 10.4	10.5 11.2	11.6 14.2	13.3 11.1	.8 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/21	14.5	3/27	5/9
POTATO HILL	4500	1st 15th	.0 .0	.0 .0	2.8 6.2	9.5 12.8	13.0 11.7	12.2 17.4	19.2 22.4	19.8 14.3	.9 .0	.0 .0	.0 .0	.0 .0	11/18	22.8	4/13	6/2
QUARTZ PEAK	4700	1st 15th	.0 .8	.0 .2	1.9 4.9	7.1 10.9	11.7 12.1	13.2 17.1	17.8 19.0	15.3 6.9	.0 .0	.0 .0	.0 .0	.0 .0	11/2	19.1	4/14	5/21
RAINY PASS	4780	1st 15th	.0 1.3	4.1 6.8	16.1 23.7	28.4 39.0	40.6 47.7	51.7 57.4	59.0 64.6	63.5 57.5	45.2 33.2	17.0 .0	.0 .0	.0 .0	10/11	66.6	4/18	7/12
SALMON MEADOWS	4500	1st 15th	.0 .0	.3 .0	1.1 2.0	3.1 4.3	4.1 5.1	4.9 5.8	6.0 3.3	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/21	6.7	3/28	4/21
SASSE RIDGE	4200	1st 15th	.0 1.9	2.7 .7	2.7 6.3	10.6 16.0	17.1 18.6	19.4 23.9	25.2 29.2	25.2 16.1	.0 .0	.0 .0	.0 .0	.0 .0	10/11	29.2	4/17	5/30
SHEEP CANYON	4030	1st 15th	.0 .0	.0 3.4	8.0 14.4	18.9 24.0	23.2 24.4	19.8 25.9	31.3 36.3	29.5 19.3	6.0 .0	.0 .0	.0 .0	.0 .0	11/8	36.6	4/13	6/6
SPENCER MEADOW	3400	1st 15th	.0 .0	.0 .8	3.2 7.9	9.4 12.1	14.1 10.4	6.6 12.6	13.3 15.5	9.8 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/25	16.5	4/11	5/12

* - Permanent snowpack commenced in prior Water Year.

SNOTEL SWE's - WY 1991 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK			MELTOUT DATE
															START DATE	MAX SWE	MAX DATE	
SPIRIT LAKE	3120	1st	.0	.0	1.0	3.9	1.1	.5	1.5	.0	.0	.0	.0	.0				
		15th	.0	.1	1.4	1.8	.6	3.0	1.5	1.0	.0	.0	.0	.0	11/26	5.1	1/10	4/19
STAMPEDE PASS	3860	1st	.0	.3	3.2	18.7	25.9	26.9	38.4	38.6	2.8	.0	.0	.0				
		15th	.0	.7	11.7	24.1	27.6	33.7	41.8	33.0	.0	.0	.0	.0	11/13	41.8	4/15	6/3
STEVENS PASS	4070	1st	.0	1.7	6.0	20.9	31.2	36.2	44.0	43.2	14.4	.0	.0	.0				
		15th	2.3	1.5	11.2	30.5	33.9	41.8	48.7	32.1	2.7	.0	.0	.0	11/13	49.2	4/13	6/9
SURPRISE LAKES	4250	1st	.0	.6	6.4	18.6	24.6	23.2	32.3	33.6	9.5	.0	.0	.0				
		15th	.0	1.5	12.7	23.4	23.3	30.2	36.9	26.6	.0	.0	.0	.0	11/10	37.2	4/12	6/7
THUNDER BASIN	4200	1st	.0	.0	3.1	19.8	30.7	29.2	37.2	38.6	18.2	.0	.0	.0				
		15th	.0	.6	11.0	29.1	34.9	33.3	49.5	30.9	.6	.0	.0	.0	11/14	45.8	4/16	7/16
TOUCHET #2	5530	1st	.0	.2	3.7	9.9	13.3	17.1	23.5	21.8	.0	.0	.0	.0				
		15th	.5	.0	6.3	12.8	15.8	23.1	25.1	11.7	.0	.0	.0	.0	11/1	25.7	4/12	5/25
TROUGH	5300	1st	.0	.0	1.0	1.7	2.8	.2	4.9	.0	.0	.0	.0	.0				
		15th	.0	.0	1.6	2.6	2.4	2.7	4.3	.0	.0	.0	.0	.0	11/25	5.4	3/29	4/29
UPPER WHEELER	4400	1st	.0	.0	.8	4.7	6.9	7.9	10.8	4.0	.0	.0	.0	.0				
		15th	.0	.4	2.2	6.7	7.3	9.8	9.4	1.2	.0	.0	.0	.0	11/13	11.2	3/26	5/9
WHITE PASS E.S.	4500	1st	.0	.0	2.9	9.1	12.9	12.9	17.9	18.6	1.0	.0	.0	.0				
		15th	.4	.1	5.7	12.7	12.9	16.5	20.3	13.3	.0	.0	.0	.0	11/14	20.6	4/16	6/3

* - Permanent snowpack commenced in prior Water Year.

Monthly Precipitation - WY 1991 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
BLEWETT PASS	4270	4.8	12.0	6.7	4.8	3.1	4.1	3.0	1.2	3.3	.1	4.8	.1	48.0
BUMPING RIDGE	4600	9.1	17.2	7.0	12.0	7.5	6.8	6.9	2.4	4.2	.3	.8	.3	74.5
BUNCHGRASS MDW	5000	5.1	7.4	7.7	5.5	5.3	5.1	5.6	8.0	7.2	2.4	.7	.3	60.3
CORRAL PASS	6000	9.4	12.8	8.6	6.2	7.9	6.2	7.7	3.9	3.9	1.3	.7	.7	69.3
COUGAR MOUNTAIN	3200	19.0	33.8	12.7	13.1	14.1	8.3	7.6	.6	.7	6.7	2.0	1.2	119.2
FISH LAKE	3371	15.4	22.6	11.3	10.6	10.0	4.8	7.2	1.1	1.0	1.7	5.7	.0	91.4
GREEN LAKE	6000	3.6	4.9	4.4	3.5	3.2	5.7	2.3	1.4	4.2	.2	.5	.4	34.3
GROUSE CAMP	5380	3.2	6.7	4.8	2.6	1.5	3.9	1.7	1.6	3.3	.7	.2	.2	30.4
HARTS PASS	6500	7.7	19.4	14.7	8.2	11.8	7.0	16.3	3.7	1.6	.2	1.5	.5	92.6
JUNE LAKE	3340	21.5	40.3	17.2	21.9	23.6	19.3	22.5	7.8	5.2	.2	7.6	.8	187.1
LONE PINE	3800	14.4	13.9	9.3	10.1	13.5	12.7	15.1	4.5	6.4	5.5	.4	2.6	104.6
LOST HORSE	5000	2.5	4.1	5.2	3.0	2.8	5.6	2.6	2.9	3.3	.1	1.0	.4	33.5
LYMAN LAKE	5900	14.2	20.7	9.5	21.9	19.7	7.7	7.5	3.7	2.4	1.3	.6	2.0	111.2
MINERS RIDGE	6200	12.2	22.4	16.0	11.9	9.3	6.0	6.5	3.5	2.8	1.7	1.7	.5	94.5
MORSE LAKE	5400	9.1	13.2	9.2	14.8	10.4	10.1	10.7	3.2	3.3	.1	2.5	2.5	86.8
MOUNT CRAG	4050	7.8	17.2	7.5	5.5	14.8	8.1	5.4	4.0	1.9	2.2	5.8	.3	80.5
OLALLIE MEADOWS	3700	22.1	44.7	18.5	19.2	18.9	11.8	14.3	5.7	2.0	.4	2.1	.3	160.0
PARADISE	5120	20.1	31.2	13.5	14.7	16.3	10.8	13.7	5.7	4.1	.8	3.6	.2	134.7
PARK CREEK RIDGE	4600	12.2	25.4	12.6	10.1	10.8	6.5	7.7	2.5	1.9	.6	.6	.3	91.2
PIGTAIL PEAK	5900	11.0	21.7	12.4	10.0	7.1	8.4	7.7	3.3	4.7	.7	1.1	.1	88.4
POPE RIDGE	3540	5.2	15.9	6.2	4.4	4.3	3.0	2.9	2.4	1.6	.5	1.0	.4	47.8
POTATO HILL	4500	7.5	10.1	9.0	5.2	7.3	7.7	8.2	3.4	6.9	.7	.7	.4	67.1
QUARTZ PEAK	4700	4.4	6.3	7.3	5.7	2.7	6.0	3.9	4.6	3.9	.7	1.1	.2	46.8
RAINY PASS	4780	11.0	22.7	6.6	11.7	6.9	2.8	8.1	3.0	2.3	.4	2.2	.3	78.0
SALMON MEADOWS	4500	1.2	2.9	1.8	1.2	.7	2.2	1.2	2.6	4.1	.6	.2	.0	18.7
SASSE RIDGE	4200	11.6	21.2	8.9	8.3	6.6	5.3	8.1	2.4	.4	.2	.7	.1	73.8
SHEEP CANYON	4030	14.3	27.7	11.7	12.7	19.7	13.2	18.0	9.6	6.4	1.7	4.9	1.9	141.8
SPENCER MEADOW	3400	13.3	22.4	9.5	11.4	12.8	12.0	14.7	5.8	2.1	.3	3.5	.8	108.6
SPIRIT LAKE	3120	15.6	16.8	9.9	8.3	14.5	9.7	14.9	5.8	3.4	.4	2.0	.8	102.1
STAMPEDE PASS	3860	17.8	31.4	14.7	11.9	10.0	7.7	9.4	3.5	2.9	.1	1.4	.2	111.0
STEVENS PASS	4070	18.5	38.1	17.0	13.8	13.2	7.0	8.8	3.4	3.0	1.7	1.3	.4	126.2
SURPRISE LAKES	4250	14.1	19.2	12.3	10.8	10.4	10.1	11.3	4.2	2.4	1.5	1.3	.2	97.8
THUNDER BASIN	4200	15.8	28.1	11.6	11.8	9.5	6.8	9.9	1.8	1.9	.3	.6	.3	98.4
TOUCHET #2	5530	7.3	8.7	5.8	4.9	3.2	6.4	5.4	5.7	3.4	.7	.4	.0	51.9
TROUGH	5300	1.7	2.6	3.2	1.3	.8	3.8	1.2	1.6	4.0	.1	.5	.3	21.1

Monthly Precipitation - WY 1991 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
UPPER WHEELER WHITE PASS E.S.	4400	2.6	3.8	3.7	2.3	1.0	3.7	1.6	2.1	4.1	.8	.1	.2	26.0
	4500	6.1	9.8	5.3	5.3	3.8	5.0	3.9	1.4	1.8	.2	.4	.2	43.2

Snow Course SWE Averages: 1961-1990 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
		1st	15th	1st	15th	1st	15th	1st	15th	1st	15th	1st	15th
AHTANUM R.S.	3100	3.5		5.8		6.8		5.3					
ALPINE MEADOWS	3500					33.8		43.7					
BAIRD #2	3220												
BEAVER CREEK TRAIL	2200			9.7		12.6		11.6		4.1			
BEAVER PASS	3680			19.7		25.1		29.7		28.1			
BIG BOULDER CREEK	3200	7.8		12.8		18.0		17.8		7.7			
BLEWETT PASS #2	4270	6.4		11.6		14.3		15.1		7.5			
BOYER MOUNTAIN	5250					21.6		25.7		23.6			
BRIEF	1600			6.0		6.9		2.5					
BROWN TOP AM	6000			41.2		51.9		59.6		61.7			
BUMPING LAKE	3450	6.0	9.9	11.6	13.3	14.0	15.6	14.2	12.1	7.5	2.7		
BUMPING LAKE (NEW)	3400	7.5	12.2	14.2	16.9	17.6	19.8	18.3	16.5	10.9	9.3		
BUNCHGRASS MEADOWS	5000	14.8		21.8		26.6		29.5		26.8		1.1	
BUTTE CREEK	4070	4.2		6.4		8.2		9.0		5.7			
CARROL PASS	3650	11.0		17.5		23.8		31.3		26.9			
CAYUSE PASS	5300	32.4		52.9		65.3		82.4		88.1			
CHEWALAH	4930			10.2		13.5		16.1					
CHEWALAH #2	4930												
CHIWAUKUM G.S.	2500	4.8		8.7		10.7		8.9		1.0			
CITY CABIN	2390					12.3		13.6					
CLOUDY PASS AM	6500			27.1		32.9		42.1					
COLOCKUM PASS	5370			11.5		14.5		16.5					
CORRAL PASS	6000			21.7		33.9		40.1		37.5			
COX VALLEY	4500			24.9		32.4		39.5		39.1			
DEER PARK	5200			13.5		17.3		20.9		18.7			
DEVILS PARK	5900			30.3		36.9		42.9		45.0		31.8	
DOCK BUTTE AM	3800	25.7		41.1		56.1		65.4		66.8		52.5	
EASY PASS AM	5200	27.1		45.6		64.5		82.9		85.4		73.3	
FISH LAKE	3370	10.7		21.1		29.3		31.4		22.4			
FREEZEOUT CK. TRAIL	3500			8.8		11.1		11.5		7.0			
GOAT CREEK	3600	3.5		5.2		6.4		4.3					
GRANITE CREEK	3500			13.0		15.8		17.1		10.7			
GRASS MOUNTAIN #2	2900	4.8		10.3		13.9		15.9		2.3			
GREEN LAKE	6000			22.6		29.1		33.9					
GROUSE CAMP	5380			12.2		15.5		17.1					

* - Average not established.

C-Conditional Average (based on less than 25 years of data)

Snow Course SWE Averages: 1961-1990 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
		1st	15th	1st	15th	1st	15th	1st	15th	1st	15th	1st	15th
HARTS PASS	6500			29.6		36.2		42.6		45.1			
HURRICANE	4500			13.7		17.4		22.1		21.9			
INDIAN ROCK	5340			18.2									
JASPER PASS AM	5400	37.9		58.8		75.0		86.0		89.3		81.1	
KELLER RIDGE	3700												
KROMONA MINE	2400			18.1		29.1		33.8		23.4		1.4	
LAKE CLELUM	2200	3.9	6.7	7.0	9.0	7.7	8.5	4.3	1.9				
LESTER CREEK	3100	8.0		14.8		17.7		23.3		15.0			
LITTLE MDWS AM	5280			30.2		37.2		44.0					
LYMAN LAKE	5900	23.5		40.5		49.8		58.7					
LYNN LAKE	4000	7.6		14.8		16.0		22.0		10.7			
MARTEN LAKE AM	3600	30.1		48.2		63.6		73.4		75.8		65.5	
MEADOWS CABIN	1900			5.4		6.2		4.8		1.1			
MERRITT	2140	7.1		12.4		14.4		12.8		3.6			
MIDDLE SULTAN	3010			9.4		16.9		20.2		13.0			
MISSION (OMAK)	1150					3.0							
MISSION RIDGE	5000			11.5		14.0		16.5					
MOUNT TOLMAN	2000			3.1		3.5				5.5			
MOSES MEADOWS (3)	3800			1.7		2.4				10.0		13.5	
MOSES MOUNTAIN (1)	4800	5.9		9.4		14.4		13.5					
MOSES PEAK (2)	6650	3.7		6.5		10.3		5.7					
MT. BLUM AM	5800	24.4		41.3		55.9		63.1		69.1		68.1	
MT. GARDNER	3300					14.2		14.1					
MUTTON CREEK #1	5700			9.2		11.4		13.2		9.6			
NEW HOZOMEEN LAKE	2800			8.0		10.9		10.4		4.5			
OLALLIE MEADOWS	3630	18.2		29.3		38.7		44.8		43.5		41.3	
OLNEY PASS	3250			12.0		21.5		25.6		16.6			
PARADISE PARK R S	5500	28.3		47.0		56.9		68.5					
PARK CREEK RIDGE	4600	17.5		33.2		42.5		43.1					
POPE RIDGE	3540			13.6		17.1		16.8		8.0			
RAGGED RIDGE	3330	3.8		6.2		7.4		3.5					
RAINY PASS	4780	25.3		27.7		33.4		39.3		40.6			
ROCKY CREEK AM	2100	11.7		20.0		25.2		27.8		19.1		1.8	
RUSTY CREEK	4000	3.8		5.0		6.2		5.9		.5			
SF THUNDER CK AM	2200	4.5		6.2		7.9		4.9		1.1			

* - Average not established.

C-Conditional Average (based on less than 25 years of data)

Snow Course SWE Averages: 1961-1990 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
		1st	15th	1st	15th	1st	15th	1st	15th	1st	15th	1st	15th
SALMON MEADOWS	4500			6.8		8.9		9.4		4.6			
SATUS PASS	4030			7.7		8.2		7.7		2.8			
SAWMILL RIDGE	4700	13.3		23.9		29.7		36.3		28.2		16.6	
SCHREIBERS MDW AM	3400	21.9		35.1		47.9		58.8		56.2		41.4	
STEMILT SLIDE	5000			10.3		12.7		12.8		6.4			
STEVENS PASS SAND SD	3700	14.6		23.9		31.1		33.7		28.7		9.7	
STICKNEY RIDGE	3640			49.9		59.8		68.2		54.8		32.6	
STRANGER MOUNTAIN	4230			8.1		10.8		12.2					
SUMMIT G.S.	4600	3.6		5.6		7.1		8.1		5.6			
SUMMIT G.S. #2	4600			5.9		7.8		8.9					
THUNDER BASIN	4200			13.5		18.5		21.7		21.8		10.0	
TOGO	3370			7.8		9.3		10.8					
TUNNEL AVENUE	2450	8.1	13.7	15.4	19.3	19.2	23.7	20.8	19.8	12.7	11.8	2.7	
TWIN CAMP	4100	10.0		16.9		21.8		25.1					
TWIN LAKES	2700			6.7		8.7		5.2					
UPPER WHEELER	4400			8.0		9.4		7.8		1.4			
VAN EPPS PASS AM	5900												
WATSON LAKES AM	4500	24.2		38.7		53.3		64.9		67.2		57.4	
WHITE PASS E.S.	4500	8.8	13.0	16.0	19.4	20.7	23.7	23.5	25.0	23.3	26.1	12.0	
AIRSTrip (DISC)	1800	1.9		3.9		3.5		1.2					

* - Average not established. C-Conditional Average (based on less than 25 years of data)

SNOTEL SWE Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BLEWETT PASS	4270	1st 15th	.0 .0	.5 1.6	3.9 6.2	8.3 10.3	13.6 15.3	17.0 17.4	17.8 13.2	4.9 .5	.0 .0	.0 .0	.0 .0	.0 .0
BUMPING RIDGE	4600	1st 15th	.0 .0	.2 1.9	4.5 6.9	9.6 11.1	13.9 16.5	18.4 19.9	21.2 20.7	18.9 14.6	6.3 1.1	.0 .0	.0 .0	.0 .0
BUNCHGRASS MDW	5000	1st 15th	.0 .0	1.2 3.4	5.9 8.7	11.5 15.1	18.8 21.6	22.7 26.3	28.0 29.1	28.0 24.1	16.2 .0	.0 .0	.0 .0	.0 .0
CORRAL PASS	6000	1st 15th	.0 .1	.9 3.3	7.8 11.0	13.5 17.4	21.3 24.9	27.6 30.4	32.6 32.7	29.5 27.2	19.6 9.8	.0 .0	.0 .0	.0 .0
COUGAR MOUNTAIN	3200	1st 15th	.0 .0	.3 1.0	3.7 5.6	8.3 11.0	15.0 16.7	18.6 18.4	18.8 15.5	9.3 4.2	.0 .0	.0 .0	.0 .0	.0 .0
FISH LAKE	3371	1st 15th	.0 .0	.2 2.4	6.2 9.6	12.4 17.0	22.0 25.6	28.4 30.2	31.9 29.7	25.0 17.7	5.0 .4	.0 .0	.0 .0	.0 .0
GREEN LAKE	6000	1st 15th	.0 .1	.6 2.2	4.8 7.2	9.0 11.6	14.1 16.0	17.5 19.2	20.7 21.1	19.7 15.6	3.8 .3	.0 .0	.0 .0	.0 .0
GROUSE CAMP	5380	1st 15th	.0 .0	.3 2.0	4.6 7.1	8.9 11.2	13.8 15.5	17.1 18.6	19.8 15.4	9.2 4.2	.0 .0	.0 .0	.0 .0	.0 .0
HARTS PASS	6500	1st 15th	.0 .4	2.0 5.6	10.6 14.9	17.9 22.1	32.1 35.4	39.7 43.6	47.4 48.6	49.7 37.5	25.3 10.0	1.3 .0	.0 .0	.0 .0
JUNE LAKE	3340	1st 15th	.0 .1	.7 2.8	7.7 8.8	11.5 20.3	28.1 31.9	33.6 35.2	36.3 28.5	19.6 8.0	.0 .0	.0 .0	.0 .0	.0 .0
LONE PINE	3800	1st 15th	.0 .1	.4 2.2	6.9 8.2	12.0 16.2	20.8 25.2	28.1 30.0	32.1 32.3	26.4 26.1	9.4 1.5	.0 .0	.0 .0	.0 .0
LOST HORSE	5000	1st 15th	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —
LYMAN LAKE	5900	1st 15th	.0 .7	2.5 8.2	14.7 21.0	25.4 31.3	39.0 44.1	48.4 52.5	56.9 59.6	58.7 54.4	43.3 28.3	7.8 2.3	.0 .0	.0 .0
MINERS RIDGE	6200	1st 15th	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —

* - Average not established. C-Conditional Average (based on less than 25 years of data)

SNOTEL SWE Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MORSE LAKE	5400	1st 15th	.0 .0	.6 4.2	10.5 15.2	19.1 24.5	29.6 34.6	38.5 43.9	47.2 46.9	44.4 38.4	21.4 5.0	.0 .0	.0 .0	.0 .0
MOUNT CRAG	4050	1st 15th	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —
OLALLIE MEADOWS	3700	1st 15th	.0 .3	1.3 4.7	11.3 16.3	20.3 27.3	34.3 40.6	44.6 47.9	53.5 53.2	51.0 46.2	30.0 13.4	1.5 .0	.0 .0	.0 .0
PARADISE	5120	1st 15th	.0 .5	1.7 6.9	14.8 19.5	23.6 31.7	38.5 47.7	47.9 53.8	62.1 67.9	61.8 61.3	48.1 34.9	17.5 4.9	.0 .0	.0 .0
PARK CREEK RIDGE	4600	1st 15th	.0 .1	1.4 3.5	8.7 14.2	18.4 25.0	29.6 35.0	40.6 41.4	41.6 43.1	33.6 25.1	5.2 1.2	.0 .0	.0 .0	.0 .0
PIGTAIL PEAK	5900	1st 15th	.0 .3	1.4 5.4	11.4 16.1	20.1 24.9	30.4 35.6	41.0 44.9	49.3 51.0	47.7 47.2	37.5 24.8	7.9 .9	.0 .0	.0 .0
POPE RIDGE	3540	1st 15th	.0 .0	.4 2.0	4.7 7.3	9.1 11.1	13.9 15.4	16.7 17.1	15.7 10.9	1.6 .0	.0 .0	.0 .0	.0 .0	.0 .0
POTATO HILL	4500	1st 15th	.0 .2	.4 2.1	5.6 7.9	10.5 13.4	16.4 19.0	21.9 23.2	25.3 21.4	17.0 10.6	1.1 .0	.0 .0	.0 .0	.0 .0
QUARTZ PEAK	4700	1st 15th	.0 .0	.0 1.8	3.7 5.9	8.5 11.2	14.0 16.4	18.6 20.4	21.9 21.9	18.6 12.9	.0 .0	.0 .0	.0 .0	.0 .0
RAINY PASS	4780	1st 15th	.0 .3	1.4 4.2	8.4 12.6	15.4 20.1	28.5 29.9	36.0 39.7	43.3 43.8	44.2 32.5	20.4 8.0	.0 .0	.0 .0	.0 .0
SALMON MEADOWS	4500	1st 15th	.0 .0	.5 1.1	2.7 3.8	3.9 5.2	5.9 7.1	8.3 9.3	9.4 5.7	1.1 .5	.0 .0	.0 .0	.0 .0	.0 .0
SASSE RIDGE	4200	1st 15th	.0 .3	.8 2.9	7.2 9.9	12.4 16.6	21.6 24.5	27.4 29.6	32.1 29.6	24.1 14.4	1.3 .0	.0 .0	.0 .0	.0 .0
SHEEP CANYON	4030	1st 15th	.0 .1	.6 3.1	8.7 10.1	15.2 15.5	25.2 26.9	30.1 38.7	39.8 41.9	34.7 24.6	11.6 2.3	.0 .0	.0 .0	.0 .0
SPENCER MEADOW	3400	1st 15th	.0 .0	.0 .9	4.5 6.0	9.4 14.0	20.0 24.8	27.2 28.1	29.6 25.8	17.2 .0	.0 .0	.0 .0	.0 .0	.0 .0

* - Average not established. C-Conditional Average (based on less than 25 years of data)

SNOTEL SWE Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
SPIRIT LAKE	3120	1st 15th	.0 .0	.0 .9	1.3 2.7	1.8 4.6	6.4 7.3	6.6 4.9	3.6 .3	.3 .0	.0 .0	.0 .0	.0 .0	.0 .0
STAMPEDE PASS	3860	1st 15th	.0 .2	.7 3.6	9.5 13.6	16.7 23.2	28.8 34.6	38.2 40.3	44.4 43.6	39.1 31.2	15.0 3.6	.0 .0	.0 .0	.0 .0
STEVENS PASS	4070	1st 15th	.0 .1	.8 3.1	8.0 12.2	15.3 20.9	27.3 31.4	34.7 40.0	42.3 39.1	32.1 21.8	5.7 1.7	.0 .0	.0 .0	.0 .0
SURPRISE LAKES	4250	1st 15th	.0 .1	.8 3.8	10.6 14.0	20.2 24.3	30.4 34.5	37.5 39.8	44.2 42.6	36.1 31.6	14.5 .9	.0 .0	.0 .0	.0 .0
THUNDER BASIN	4200	1st 15th	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —
TOUCHET #2	5530	1st 15th	.0 .0	.0 2.9	5.7 8.9	12.9 16.7	20.8 24.6	27.8 30.3	31.9 31.0	27.3 19.2	.0 .0	.0 .0	.0 .0	.0 .0
TROUGH	5300	1st 15th	.0 .1	.2 1.4	2.6 3.5	4.9 5.4	6.4 8.4	9.0 9.8	9.7 7.4	2.5 1.3	.0 .0	.0 .0	.0 .0	.0 .0
UPPER WHEELER	4400	1st 15th	.0 .0	.2 1.7	3.0 3.9	5.9 7.2	9.3 10.8	12.1 13.1	13.6 11.7	4.8 1.0	.0 .0	.0 .0	.0 .0	.0 .0
WHITE PASS E.S.	4500	1st 15th	.0 .1	.7 3.0	4.9 7.2	9.8 12.4	15.5 18.6	20.7 21.6	22.9 22.5	18.7 14.0	4.6 1.1	.9 .0	.0 .0	.0 .0

* - Average not established. C-Conditional Average (based on less than 25 years of data)

Monthly Precipitation Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
BLEWETT PASS	4270	2.2	5.5	5.4	7.2	4.5	2.9	2.0	1.2	1.5	.4	.4	1.5	34.7
BUMPING RIDGE	4600	3.6	9.4	8.1	7.3	7.1	5.7	3.9	2.9	2.6	.9	.8	2.4	54.7
BUNCHGRASS MDW	5000	3.6	6.6	7.4	8.0	5.8	5.5	4.4	4.3	3.7	1.4	1.6	2.8	55.0
CORRAL PASS	6000	3.6	9.8	7.5	9.8	6.7	6.5	5.0	4.2	2.5	1.1	1.2	2.3	60.2
COUGAR MOUNTAIN	3200	7.8	17.3	11.4	13.5	10.1	10.2	7.3	6.3	4.2	2.7	2.3	4.9	98.0
FISH LAKE	3371	5.1	9.9	8.1	10.6	8.3	6.0	2.8	2.6	1.5	1.7	1.1	2.3	60.0
GREEN LAKE	6000	2.4	6.4	5.2	6.2	4.4	4.5	2.5	1.7	1.3	.8	.6	1.1	37.1
GROUSE CAMP	5380	1.7	5.7	4.6	5.2	4.1	3.9	1.9	1.3	1.6	.6	.8	1.1	32.5
HARTS PASS	6500	4.0	9.3	6.4	8.0	5.6	6.1	4.0	3.1	1.9	1.4	1.2	2.5	53.5
JUNE LAKE	3340	10.2	27.2	18.2	26.0	15.7	21.2	11.0	9.3	4.9	2.4	2.1	4.5	152.7
LONE PINE	3800	7.3	13.6	11.5	18.2	13.5	10.6	6.4	5.0	3.0	.8	1.3	2.6	93.8
LOST HORSE	5000	—	—	—	—	—	—	—	—	—	—	—	—	—
LYMAN LAKE	5900	6.8	12.4	10.4	13.3	8.5	8.0	6.2	3.5	2.5	2.0	1.6	3.2	78.4
MINERS RIDGE	6200	—	—	—	—	—	—	—	—	—	—	—	—	—
MORSE LAKE	5400	3.9	14.8	9.1	11.7	8.6	10.2	6.0	4.5	2.3	1.0	1.0	1.8	74.9
MOUNT CRAG	4050	—	—	—	—	—	—	—	—	—	—	—	—	—
OLALLIE MEADOWS	3700	9.5	18.7	14.8	19.0	13.8	12.7	10.1	6.5	4.2	2.8	2.0	4.7	118.8
PARADISE	5120	8.4	19.6	13.9	16.0	12.3	11.4	10.4	7.2	4.0	1.6	1.2	4.5	110.5
PARK CREEK RIDGE	4600	4.6	10.7	11.1	10.7	7.9	5.9	4.0	2.5	1.8	1.3	1.2	2.2	63.9
PIGTAIL PEAK	5900	5.0	12.9	9.2	11.2	8.2	8.8	6.7	4.8	2.9	1.4	1.1	2.3	74.5
POPE RIDGE	3540	2.0	6.3	5.0	5.7	4.0	4.1	2.2	1.9	2.1	.9	1.0	1.1	36.3
POTATO HILL	4500	4.0	10.7	8.2	9.5	6.7	7.1	4.7	4.5	2.5	1.5	.7	2.3	62.4
QUARTZ PEAK	4700	—	—	—	—	—	—	—	—	—	—	—	—	—
RAINY PASS	4780	4.4	8.6	7.2	7.9	7.5	5.7	4.0	3.0	2.1	1.7	1.1	2.8	56.0
SALMON MEADOWS	4500	1.8	3.3	2.2	1.8	1.8	2.4	2.0	2.4	2.7	1.3	1.2	.9	23.8
SASSE RIDGE	4200	4.4	9.9	6.9	9.6	6.4	5.9	4.1	2.1	1.1	.6	.6	1.8	53.4
SHEEP CANYON	4030	9.1	21.7	12.1	17.3	12.6	14.1	7.9	7.7	4.6	1.8	1.7	4.4	115.0
SPENCER MEADOW	3400	7.0	15.3	11.9	15.6	12.4	11.3	5.8	4.7	2.7	1.6	1.4	3.1	92.8
SPIRIT LAKE	3120	6.7	13.0	9.9	17.1	9.3	10.8	5.9	5.5	2.5	.7	1.4	2.3	85.1
STAMPEDE PASS	3860	6.7	14.2	10.9	13.3	10.4	9.2	6.7	5.4	3.0	2.0	1.8	3.7	87.3
STEVENS PASS	4070	7.0	15.0	10.4	12.1	9.1	7.1	5.7	4.5	2.8	2.0	1.3	3.6	80.6
SURPRISE LAKES	4250	5.9	17.1	11.2	13.1	10.4	10.5	8.1	5.5	3.9	1.9	1.4	3.2	92.2
THUNDER BASIN	4200	—	—	—	—	—	—	—	—	—	—	—	—	—
TOUCHET #2	5530	4.0	6.5	7.4	7.9	5.7	5.4	4.5	4.5	4.0	1.7	2.0	3.1	56.6
TROUGH	5300	1.5	4.6	3.7	3.5	3.3	2.3	1.5	1.4	1.3	.8	.9	1.3	26.1

* - Average not established. C-Conditional Average (based on less than 25 years of data)

Monthly Precipitation Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
UPPER WHEELER WHITE PASS E.S.	4400	1.5	5.2	3.6	3.5	2.7	2.5	2.1	1.4	2.2	.6	.4	1.6	27.3
	4500	4.8	6.7	5.5	7.3	6.1	3.0	2.5	1.6	1.9	.2	.6	1.5	41.7

* - Average not established. C - Conditional Average (based on less than 25 years of data)

Glossary:

a (Accumulated)	Data value summed over several previous measurement periods.
AM (Aerial Marker)	A vertical member with equally spaced crossarms. The depth of snow at these remote sites is determined by observation from low-flying aircraft. Water content is calculated using measurements from nearby snow courses.
Average	The mean values of snow water equivalent and monthly/yearly precipitation based on the 30 year period 1961-1990.
Basin	The major drainage area in which a snow course is located.
Data	Refers to snow water equivalent or precipitation amounts.
Disc.	Discontinued. Manual measurement discontinued. Estimates to be provided for a minimum of 5 years following discontinuance for correlation purposes.
e, est	Estimate. Data value developed from an adjacent snow course or SNOTEL site in lieu of an actual physical measurement.
Elevation	The vertical reference of a site location above mean sea level, measured in feet.
Meltout Date	Date permanent seasonal snowpack was completely melted.
Months	Month names that head data columns in this report indicate: <ol style="list-style-type: none"> 1. Snow depth and snow water equivalent measurements that are usually taken near the end or middle of the month, and reported as first of month or fifteenth of month readings. This explains why, for example, a February 27 and a March 15 reading are shown under the March column. 2. Precipitation increment or catch measured during the month indicated.
Precipitation	The liquid equivalent (inches) of rainfall, snow, sleet, or hail, collected by precipitation storage gauges.
SNOTEL	Abbreviation for SNOw TELemetry; a west-wide system for obtaining snow water equivalent, precipitation, air temperature, and other hydrologic measurements from remote data sites via radio transmission.
Snow Course	A permanently marked data site where manual snow measurements are collected.
Site Number	An indexing/locating number based on alpha and numeric grid divisions. Refer to the Data Site Maps included with this report.
Snow Depth	An average of the vertical measurements in inches of snowpack at a data site.
Start Date	Date permanent seasonal snowpack first began.
SWE	Snow Water Equivalent. The amount of water in the snowpack expressed in inches.
WY	Water Year. The twelve month period beginning October 1st in one year and September 30th of the following year. The water year is the calendar year in which it ends.



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INDEX TO WASHINGTON SNOW DATA SITES

SITE NAME	SITE NO.	ELEV.	LAT.	LONG.	SEC.	TWP.	RANGE	SITE CONFIGURATION	BASIN
AHTANUM R.S.	21C11	3100	46°31'	121°01'	24	12N	14E	SC	YAKIMA RIVER
ALPINE MEADOWS	21B48	3500	47°41'	121°42'	21	27N	9E	SC	NORTH PUGET
AIRSTrip	21B24	1800	47°13'	121°27'	18	20N	11E	SC	CEDAR AND GREEN
BAIRD # 2	17A07	3220	48°37'	117°34'	19	36N	42E	SC	COLVILLE AND KETTLE
BEAVER CREEK TRAIL	21A04	2200	48°50'	121°12'	35	39N	12E	SC	NORTH PUGET
BEAVER PASS	21A01	3680	48°53'	121°14'	9	39N	12E	SC	NORTH PUGET
BEEHIVE SPRINGS	20B03	4400	47°20'	120°24'	12	21N	19E	SC	CHELAN AND WENATCHEE
BERNE-MILL CREEK	21B23	3240	47°46'	121°04'	12	26N	14E	SC	CHELAN AND WENATCHEE
BIG BOULDER CREEK	21B09	3200	47°26'	121°02'	35	23N	14E	SC	YAKIMA RIVER
BLEWETT PASS # 2	20B02S	4270	47°22'	102°39'	35	22N	17E	SC,S,P,T	CHELAN AND WENATCHEE
BOYER MOUNTAIN	17A02	5250	48°12'	117°26'	7	31N	43E	SC	COLVILLE AND KETTLE
BRIEF	20B19	1600	47°53'	120°26'	34	28N	19E	SC	CHELAN AND WENATCHEE
BROWN TOP RIDGE	21A28	6000	48°57'	121°14'	26	40N	12E	SC	NORTH PUGET
BUMPING LAKE	21C08	3450	46°52'	121°18'	23	16N	12E	SC	YAKIMA RIVER
BUMPING LAKE NEW	21C36	3400	46°53'	121°17'	13	16N	12E	SC	YAKIMA RIVER
BUMPING RIDGE	21C38S	4600	46°49'	121°20'	9	15N	12E	S,P,T	YAKIMA RIVER
BUNCHGRASS MEADOWS	17A01S	5000	48°42'	117°11'	24	37N	44E	SC,S,P,T	COLVILLE AND KETTLE
BUTTE CREEK	18A03	4070	48°51'	118°22'	28	39N	35E	SC	COLVILLE AND KETTLE
BUTTE CREEK # 2	18A15	4070	48°51'	118°22'	28	39N	35E	SC	COLVILLE AND KETTLE
CARROL PASS	23B15	3710	47°30'	123°31'	36	24N	7W	SC	OLYMPIC
CAYUSE PASS	21C06	5300	46°52'	121°32'	15	16N	10E	SC	COWLITZ AND LEWIS
CHEWELAH # 2	17A08	4900	48°18'	117°36'	11	32N	41E	SC	COLVILLE AND KETTLE
CHIWAUKUM G.S.	20B16	2500	47°40'	120°42'	4	25N	17E	SC	CHELAN AND WENATCHEE
CITY CABIN	21B03	2390	47°19'	121°31'	10	27N	10E	SC	CEDAR AND GREEN
CLOUDY PASS	20A22	6500	48°12'	120°55'	12	31N	15E		CHELAN AND WENATCHEE
COLOCKUM PASS	20B09	5370	47°12'	120°16'	25	20N	20E	SC	YAKIMA RIVER
CORRAL PASS	21B13S	6000	47°07'	121°28'	30	18N	11E	SC,S,P,T	CEDAR AND GREEN
COUGAR MOUNTAIN	21B42S	3200	47°15'	121°38'	21	21N	9E	SC,S,P,T	NORTH PUGET
COX VALLEY	23B14	4500	47°58'	123°29'	31	29N	6W	SC	OLYMPIC
DEER PARK	23B04	5200	47°57'	123°16'	1	28N	5W	SC	OLYMPIC
DEVILS PARK	20A04	5900	48°45'	120°51'	34	38N	16E	SC	NORTH PUGET
DOCK BUTTE	21A11	3800	48°38'	121°48'	8	36N	8E		NORTH PUGET
EASY PASS	21A07	5200	48°52'	121°26'	19	39N	11E		NORTH PUGET
FISH LAKE	21B04S	3370	47°31'	121°04'	28	24N	14E	SC,S,P,T	YAKIMA RIVER
FREEZEOUT CREEK TRAIL	20A01	3500	48°57'	120°57'	14	40N	14E	SC	NORTH PUGET
GOAT CREEK	18A04	3600	48°51'	118°21'	26	39N	35E	SC	COLVILLE AND KETTLE
GRANITE CREEK	20A06	3500	48°36'	120°48'	25	36N	16E	SC	NORTH PUGET
GRASS MOUNTAIN # 2	21B27	2900	47°13'	121°45'	14	20N	8E	SC	CEDAR AND GREEN
GREEN LAKE	21C10S	6000	46°35'	121°09'	3	12N	13E	SC,S,P,T	YAKIMA RIVER
GROUSE CAMP	20B11S	5380	47°16'	120°29'	29	21N	19E	S,P,T	YAKIMA RIVER
HARTS PASS	20A05S	6500	48°43'	120°39'	7	37N	18E	SC,S,P,T	METHOW AND OKANOGAN
HURRICANE	23B03	4500	47°58'	123°32'	36	29N	7W	SC	OLYMPIC
INDIAN CREEK	20D02	5340	45°59'	120°47'	21	6N	16E	SC	COWLITZ AND LEWIS
JASPER PASS	21A06	5400	48°47'	121°24'	17	38N	11E	SC	NORTH PUGET
JUNE LAKE	22C09S	3200	46°12'	122°08'	26	8N	5E	S,P,T	COWLITZ AND LEWIS
KELLER RIDGE	18A14	3700	48°11'	118°48'	21	31N	32E	SC	COLVILLE AND KETTLE
KROMONA MINE	21B57	2400	47°56'	121°35'	13	28N	9E	SC	NORTH PUGET
LAKE CLE ELUM	21B14	2200	47°14'	121°04'	15	20N	14E	SC	YAKIMA RIVER
LESTER CREEK	21B29	3100	47°12'	121°28'	36	20N	10E	SC	CEDAR AND GREEN
LITTLE MEADOWS	20A24	5280	48°12'	120°54'	8	31N	16E	SC	CHELAN AND WENATCHEE
LONE PINE SHELTER	21C26S	3800	46°16'	121°58'	8	9N	7E	SC,SP,T	COWLITZ AND LEWIS
LOST HORSE	21C39S	5000	46°21'	121°07'	16	10N	14E	S,P,T	YAKIMA RIVER
LYMAN LAKE	20A23S	5900	48°12'	120°55'	18	31N	16E	SC,S,P,T	CHELAN AND WENATCHEE
LYNN LAKE	21B50	4000	47°12'	121°47'	22	20N	8E	SC	CEDAR AND GREEN
MARTEN LAKE	21A09	3600	48°46'	121°43'	23	38N	8E	SC	NORTH PUGET
MEADOWS CABINS	20A08	1900	48°33'	120°56'	29	36N	14E	SC	NORTH PUGET
MERRITT	20B18	2140	47°47'	120°52'	4	26N	16E	SC	CHELAN AND WENATCHEE
MIDDLE SULTAN	21B53	3010	47°57'	121°28'	35	29N	9E	SC	NORTH PUGET
MINERS RIDGE	20A40S	6200	48°10'	120°59'	11	31N	15E	S,P,T	NORTH PUGET
MISSION (OMAK)	19A12	1150	48°23'	119°28'	8	33N	27E	SC	METHOW AND OKANOGAN
MISSION RIDGE	20B29	4920	47°17'	120°24'	25	21N	19E	SC	CHELAN AND WENATCHEE
MORSE LAKE	21C17S	5400	46°54'	121°29'	6	16N	11E	SC,S,P,T	YAKIMA RIVER
MOSES MEADOWS #3	19A14	3800	48°24'	119°05'	31	34N	30E	SC	METHOW AND OKANOGAN
MOSESMOUNTAIN	19A	5500	48°22'	119°05'	17	33N	30G	S,P,T	METHOW AND OKANOGAN
MOSES MOUNTAIN #1	19A13	4740	48°21'	119°04'	20	33N	30E	SC	METHOW AND OKANOGAN
MOSES PEAK #2	19A15	6650	48°22'	119°04'	9	33N	30E	SC	METHOW AND OKANOGAN
MOUNT GARDNER	21B21	3300	47°22'	121°34'	30	22N	10E	SC	CEDAR AND GREEN
MOUNT TOLMAN	18A12	2400	48°03'	118°42'	5	29N	33E	SC	COLVILLE AND KETTLE
MT. BLUM	21A18	5800	48°43'	121°31'	27	38N	10E		NORTH PUGET
MT. CRAIG	23B06S	4200	47°45'	123°00'	11	26N	3W	S,P,T	OLYMPIC
MUTTON CREEK # 1	19A01	5700	48°40'	119°52'	30	37N	24E	SC	METHOW AND OKANOGAN
NEW HOZOMEEN LAKE	21A30	2800	48°57'	120°58'	19	40N	14E	SC	NORTH PUGET
OLLALLIE MEADOWS E.S.	21B02	3630	47°23'	121°27'	19	22N	11E	SC	NORTH PUGET
OLLALLIE MEADOWS	21B55S	3960	47°26'	121°28'	20	22N	11E	S,P,T	NORTH PUGET AND YAKIMA RIVER

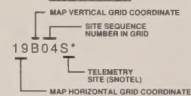
SITE NAME	SITE NO.	ELEV.	LAT.	LONG.	SEC.	TWP.	RANGE	SITE CONFIGURATION	BASIN
OLNEY PASS	21B54	3200	47°56'	121°38'	3	28N	9E	SC	NORTH PUGET
PARADISE PARK	21C35S	5500	46°50'	121°43'	13	15N	8E	S,P,T	COWLITZ AND LEWIS
PARK CREEK RIDGE	20A12S	4600	48°27'	120°52'	18	34N	16E	SC,S,P,T	CHELAN AND WENATCHEE
PIGTAIL PEAK	21C33S	5900	46°37'	121°25'	11	13N	11E	SC,S,P,T	COWLITZ AND LEWIS
POPE RIDGE	20B20S	3540	47°59'	120°32'	22	29N	18E	S,P,T	CHELAN AND WENATCHEE
POTATO HILL	21C14S	4500	46°21'	121°30'	36	10N	10E	SC,S,P,T	COWLITZ AND LEWIS
QUARTZ PEAK	17B03S	4730	47°53'	117°05'	34	28N	45E	S,P,T	SPOKANE RIVER
RAGGED RIDGE	17B02	3330	47°46'	117°05'	12	27N	45E	SC	SPOKANE RIVER
RAINY PASS	20A09S	4780	48°33'	120°43'	21	35N	17E	SC,S,P,T	NORTH PUGET
ROCKY CREEK	21A12	2100	48°43'	121°47'	20	37N	8E	SC	NORTH PUGET
RUSTY CREEK	19A03	4000	48°32'	119°52'	18	35N	24E	SC	METHOW AND OKANOGAN
SASSE RIDGE	21B51S	4200	47°21'	121°05'	22	22N	14E	S	YAKIMA RIVER
SF THUNDER CREEK	21A14	2200	48°35'	121°37'	20	36N	9E	SC	NORTH PUGET
SALMON MEADOWS	19A02S	4500	48°40'	119°50'	33	37N	24E	S,P,T	METHOW AND OKANOGAN
SATUS PASS	20D01	4030	45°58'	120°45'	21	6N	17E	SC	YAKIMA RIVER
SCHREIBERS MEADOW	21A10	3400	48°44'	121°50'	18	37N	8E	SC	NORTH PUGET
SHEEP CANYON	22C10S	4050	46°11'	122°15'	12	8N	4E	S,P,T	COWLITZ AND LEWIS
SPENCER MEADOW	21C20S	3400	46°08'	121°55'	16	8N	7E	SC,S,P,T	COWLITZ AND LEWIS
SPIRIT LAKE	22C12S	3100	46°16'	122°09'	10	9N	5E	S,P,T	COWLITZ AND LEWIS
STAMPEDE PASS	21B10S	3860	47°17'	121°20'	25	21N	11E	S,P,T	CEDAR AND GREEN
STEMILT SLIDE	20B06	5000	47°17'	120°23'	30	21N	20E	SC	CHELAN AND WENATCHEE
STEVENS PASS	21B01S	4070	47°44'	121°04'	14	26N	13E	S,P,T	CHELAN AND WENATCHEE
STEVENS PASS SAND SD	21B45	3700	47°43'	121°02'	12	26N	13E	SC	CHELAN AND WENATCHEE
STICKNEY RIDGE	21B58	3640	47°56'	121°38'	14	28N	9E	SC	NORTH PUGET
STRANGER MTN.	17A05	4230	48°10'	117°58'	25	31N	38E	SC	COLVILLE AND KETTLE
SUMMIT G.S. # 2	18A16	4600	48°54'	118°24'	20	39N	35E	SC	COLVILLE AND KETTLE
SUMMIT TRAIL	18A13	3840	48°15'	118°32'	27	32N	34E	SC	COLVILLE AND KETTLE
SURPRISE LAKES	21C13S	4250	46°06'	121°45'	14	7N	8E	SC,S,P,T	COWLITZ AND LEWIS
THUNDER BASIN	20A07	4200	48°31'	120°59'	10	35N	14E	SC,S,P,T	NORTH PUGET
TOGO	18A10	3370	48°03'	118°05'	6	29N	38E	SC	COLVILLE AND KETTLE
TOUCHET # 2	17C05S	5530	46°07'	117°54'	6	7N	40E	S,P,T	WALLA WALLA
TROUGH # 2	20B25S	5310	47°14'	120°17'	10	20N	20E	S,P,T	CHELAN AND WENATCHEE
TUNNEL AVENUE	21B08	2450	47°19'	121°21'	13	21N	11E	SC	YAKIMA RIVER
TWIN CAMP	21B30	4100	47°08'	121°26'	18	19N	11E	SC	CEDAR AND GREEN
TWIN LAKES	18A11	2700	48°17'	118°25'	9	32N	35E	SC	COLVILLE AND KETTLE
UPPER WHEELER	20B07S	4400	47°17'	120°22'	30	21N	20E	SC,S,P,T	CHELAN AND WENATCHEE
VAN EPPS PASS	20B26	5900	47°29'	120°58'	15	23N	15E	SC	YAKIMA RIVER
WATSON LAKES	21A08	4500	48°41'	121°33'	25	37N	9E	SC	NORTH PUGET
WHITE PASS E.S.	21C28S	4500	46°38'	121°24'	2	13N	11E	SC,S,P,T	YAKIMA RIVER

LEGEND

SITE CONFIGURATION

S C = SNOW COURSE
S = SNOW PILLOW
P = PRECIPITATION
T = TEMPERATURE
W = WIND

SITE NUMBER



*NOTE: Sometimes Snow Course data sites and SNOTEL, telemetry sites are colocated and have the same SITE NAME. Such sites are identified as follows:

The last (6th) character of the SITE NO. is an "S"

and

parameters under the "SITE CONFIGURATION" heading include both "S" (for SNOW PILLOW) and "SC" (for SNOW COURSE).

In such instances, the first 5 characters of the "SITE NO." identify the Snow Course. All 6 characters (including the suffix "S") identify the SNOTEL "SITE NO."

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